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ABSTRACT

[Object]

10 Provision of a preparing method for the production
of a metal micropowder having a uniform diameter which is
of value for preparation of precious metal electrodes.

[Invention]

15 A method for producing a metal micropowder having a
uniform particle diameter which is performed sequentially
by preparing a colloidal solution which contains two
metal (e.g., Ag and Pd) salts having different oxidation-
reduction potentials; bringing a reducing agent into con-
tact with the colloidal solution, whereby first precipi-
tating micro-particles of a metal (e.g., Ag) having a
20 relatively low oxidation-reduction potential and then
depositing a metal (e.g. Pd) having a relatively high oxi-
dation-reduction potential on the micro-particles, to
produce double layered particles composed of the micro-
particles of a metal of a relatively low oxidation-reduc-
25 tion potential coated with a metal of a relatively high
oxidation-reduction potential; and bringing the colloidal
solution containing the double layered particles into
contact with a third metal (e.g., Ag-Pd, Pt) salt and a
reducing agent.

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